

HALLIBURTON

Cementing Job Summary

The Road to Excellence Starts with Safety

Sold To #: 344659	Ship To #: 2860376	Quote #:	Sales Order #: 8292243
Customer: CHESAPEAKE OPERATING INC EBUSINESS	Customer Rep: Ajijolaiya, Yemi		
Well Name: Cass	Well #: 7-62 15-1H	API/UWI #: 05-123-33280	
Field:	City (SAP): BRIGGS DALE	County/Parish: Weld	State: Colorado
Legal Description: Section 15 Township 7N Range 62W			
Contractor: Cylcone Drilling	Rig/Platform Name/Num: Rig 11		
Job Purpose: Cement Production Casing			
Well Type: Development Well	Job Type: Cement Production Casing		
Sales Person: COLLINS, JAMES	Srvc Supervisor: ASIRE, JAMES	MBU ID Emp #: 338832	

Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
ASIRE, JAMES M	6	338832	BETTS, DALTON James	6	476131	DIRKS, RICK	5	485940
HOLLAR, BEN	6	489771	OZBAN, RYAN	5	475709			

Equipment

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way
11611900	245 mile	11611816	245 mile	11532305	245 mile	11064046	245 mile
10822543	245 mile	10825410	245 mile	10951204	245 mile		

Job Hours

Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours
7/3/2011	6	4						

TOTAL Total is the sum of each column separately

Job

Formation Name	Top	Bottom	Called Out	Date	Time	Time Zone
Formation Depth (MD)			On Location	03 - Jul - 2011	09:00	MST
Form Type	BHST	166 degF	Job Started	03 - Jul - 2011	12:01	MST
Job depth MD	10440. ft	Job Depth TVD	6603. ft	Job Completed	03 - Jul - 2011	02:11
Water Depth		Wk Ht Above Floor	3. ft	Departed Loc	03 - Jul - 2011	03:30
Perforation Depth (MD)	From	To				

Well Data

Description	New / Used	Max pressure psig	Size in	ID in	Weight lbm/ft	Thread	Grade	Top MD ft	Bottom MD ft	Top TVD ft	Bottom TVD ft
7 7/8" Open Hole Section				7.875				6300.	10440.	6300.	6603.
8 3/4" Open Hole Section				8.75				1540.	6300.	1540.	6300.
4 1/2" Production Casing	New		4.5	4.	11.6		P-110	0	10440.	0	6603.
9 5/8" Surface Casing	New		9.625	8.835	40.		J-55	0	1540.	0	1540.

Tools and Accessories

Type	Size	Qty	Make	Depth	Type	Size	Qty	Make	Depth	Type	Size	Qty	Make
Guide Shoe					Packer					Top Plug			
Float Shoe					Bridge Plug					Bottom Plug			
Float Collar					Retainer					SSR plug set			
Insert Float										Plug Container			
Stage Tool										Centralizers			

Miscellaneous Materials

Gelling Agt	Conc	Surfactant	Conc	Acid Type	Qty	Conc	%
Treatment Fld	Conc	Inhibitor	Conc	Sand Type	Size	Qty	

HALLIBURTON

Cementing Job Summary

Fluid Data									
Stage/Plug #: 1									
Fluid #	Stage Type	Fluid Name	Qty	Qty uom	Mixing Density lbm/gal	Yield ft ³ /sk	Mix Fluid Gal/sk	Rate bbl/min	Total Mix Fluid Gal/sk
1	Spacer	Fresh Water	10.00	bbl	8.33				
2	Lead Cement	EXTENDACEM	465.0	sacks	12.	2.19	12.24		12.24
3	Tail Cement	EXPANDACEM	1135.0	sacks	14.6	1.46	6.1		6.1
4	Displacement	Fresh Water	161.00	bbl	8.33				
Calculated Values		Pressures		Volumes					
Displacement	161	Shut In: Instant	0	Lost Returns	NO	Cement Slurry	476	Pad	
Top Of Cement	1000	5 Min		Cement Returns	0	Actual Displacement	161	Treatment	
Frac Gradient		15 Min		Spacers	10	Load and Breakdown		Total Job	647
Rates									
Circulating	5	Mixing	6	Displacement	6	Avg. Job	5		
Cement Left In Pipe	Amount	44.4 ft	Reason	Shoe Joint					
Frac Ring # 1 @	ID	Frac ring # 2 @	ID	Frac Ring # 3 @	ID	Frac Ring # 4 @	ID		
The Information Stated Herein Is Correct				Customer Representative Signature					